

ABSTRACT

An ultrasonic motor of the present invention has a vibrating element 6. The vibrating element 6 includes a first piezoelectric element 62 that undergoes extension and contraction by application of an AC voltage, a reinforcing plate 63 having a contact portion 66 and an arm portion 68, and a second piezoelectric element 64 that undergoes extension and contraction by application of an AC voltage. The first piezoelectric element 62, the reinforcing plate 63, and the second piezoelectric element 64 are laminated in this order. The vibrating element 6 is fixedly mounted through the arm portion 68 so that the contact portion 66 abuts on a driven element (rotor 51). Further, the vibrating element 6 has a body portion and a length L of the body portion in a direction in which the vibrating element 6 extends and contracts by application of the AC voltage is 1 to 20mm.